1645

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/725,178

DATE: 06/06/2001
TIME: 10:50:10

Input Set : A:\es.txt
Output Set: C:\CRF3\06062001\I725178.raw


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  5 <110> APPLICANT: M"ckel, Bettina
  7       Pfefferle, Walter
 11 <120> TITLE OF INVENTION: NOVEL NUCLEOTIDE SEQUENCES ENCODING THE GPM GENE
 15 <130> FILE REFERENCE: 21123/273989
C--> 19 <140> CURRENT APPLICATION NUMBER: US/09/725,178
C--> 19 <141> CURRENT FILING DATE: 2000-11-29
 19 <160> NUMBER OF SEQ ID NOS: 4
 23 <170> SOFTWARE: PatentIn version 3.0
 27 <210> SEQ ID NO: 1
 29 <211> LENGTH: 1020
 31 <212> TYPE: DNA
 33 <213> ORGANISM: Corynebacterium glutamicum
 37 <220> FEATURE:
 39 <221> NAME/KEY: CDS
 41 <222> LOCATION: (181)..(924)
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 50 gaaacgcatc acggctaagt aaacgcgcgt cgtggaacat aaagtggcaa actagtacct     180
 52 atg act aac gga aaa ttg att ctt ctt cgt cac ggt cag agc gaa tgg       228
 53 Met Thr Asn Gly Lys Leu Ile Leu Leu Arg His Gly Gln Ser Glu Trp
 54 1               5                  10                  15
 56 aac gca tcc aac cag ttc act gga tgg gtc gac gtc aat ctg acc gaa       276
 57 Asn Ala Ser Asn Gln Phe Thr Gly Trp Val Asp Val Asn Leu Thr Glu
 58             20                  25                  30
 60 cag ggt gag gct gag gcc aag cgc gga ggc gaa ctc ctc gtc gag gca       324
 61 Gln Gly Glu Ala Glu Ala Lys Arg Gly Gly Glu Leu Leu Val Glu Ala
 62         35                  40                  45
 64 ggc gtc ctc cca ggc gtt gta tac acc tcc ttg ctg cgt cgc gcg atc       372
 65 Gly Val Leu Pro Gly Val Val Tyr Thr Ser Leu Leu Arg Arg Ala Ile
 66     50                  55                  60
 68 cgc act gca aac atc gca ctg aac gct gca gac cgc cac tgg atc cca       420
 69 Arg Thr Ala Asn Ile Ala Leu Asn Ala Ala Asp Arg His Trp Ile Pro
 70 65                  70                  75                  80
 72 gtg atc cgc gac tgg cgc ctc aac gag cgt cac tac ggc gca ctg cag       468
 73 Val Ile Arg Asp Trp Arg Leu Asn Glu Arg His Tyr Gly Ala Leu Gln
 74                 85                  90                  95
 76 ggc ctt gac aag gct gca acc aag gaa aaa tac ggc gac gac cag ttc       516
 77 Gly Leu Asp Lys Ala Ala Thr Lys Glu Lys Tyr Gly Asp Asp Gln Phe
 78             100                 105                 110
 80 atg gaa tgg cgc cgc tcc tac gac acc cca cca cca gag ctc gcg gat       564
 81 Met Glu Trp Arg Arg Ser Tyr Asp Thr Pro Pro Pro Glu Leu Ala Asp
 82         115                 120                 125
 84 gac gca gag tac tcc cag gca aat gac cct cgt tac gcg gac ctc gac       612
 85 Asp Ala Glu Tyr Ser Gln Ala Asn Asp Pro Arg Tyr Ala Asp Leu Asp
 86     130                 135                 140
 88 gta gtt cca cgc acc gaa tgc ctc aag gac gtt gtg gtt cgt ttt gtt       660
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89 Val Val Pro Arg Thr Glu Cys Leu Lys Asp Val Val Val Arg Phe Val
90 145                 150                 155                 160
92 cct tac ttc gag gaa gaa atc ctg cca cgc gca aag aag ggc gaa acc      708
93 Pro Tyr Phe Glu Glu Glu Ile Leu Pro Arg Ala Lys Lys Gly Glu Thr
94                  165                 170                 175
96 gtc ctc atc gca gca cac ggc aac tcc ctg cgt gcg ctg gtt aag cac      756
97 Val Leu Ile Ala Ala His Gly Asn Ser Leu Arg Ala Leu Val Lys His
98              180                 185                 190
100 ctt gac ggc atc tcc gat gct gat atc gca gag ctc aac atc cca acc     804
101 Leu Asp Gly Ile Ser Asp Ala Asp Ile Ala Glu Leu Asn Ile Pro Thr
102         195                 200                 205
104 ggc atc cca ctg gtc tac gaa atc gcc gaa gac ggt tcc gta gta aac     852
105 Gly Ile Pro Leu Val Tyr Glu Ile Ala Glu Asp Gly Ser Val Val Asn
106     210                 215                 220
108 cca ggc ggc acc tac ctc gat cct gag gca gca gca gcc ggc gca gca     900
109 Pro Gly Gly Thr Tyr Leu Asp Pro Glu Ala Ala Ala Ala Gly Ala Ala
110 225                 230                 235                 240
112 gca gta gca aac cag ggt aat aag tagctatttg taggtgagca ctcttcttgc    954
113 Ala Val Ala Asn Gln Gly Asn Lys
114                 245
116 tttcgtattg ggcgtggtcc tcatgggcct cgccctacct gcgtatacga aaattaaaga   1014
118 tcggat                                                            1020
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123 <211> LENGTH: 248
125 <212> TYPE: PRT
127 <213> ORGANISM: Corynebacterium glutamicum
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138             20                  25                  30
141 Gln Gly Glu Ala Glu Ala Lys Arg Gly Gly Glu Leu Leu Val Glu Ala
142         35                  40                  45
145 Gly Val Leu Pro Gly Val Val Tyr Thr Ser Leu Leu Arg Arg Ala Ile
146     50                  55                  60
149 Arg Thr Ala Asn Ile Ala Leu Asn Ala Ala Asp Arg His Trp Ile Pro
150 65                  70                  75                  80
153 Val Ile Arg Asp Trp Arg Leu Asn Glu Arg His Tyr Gly Ala Leu Gln
154                 85                  90                  95
157 Gly Leu Asp Lys Ala Ala Thr Lys Glu Lys Tyr Gly Asp Asp Gln Phe
158             100                 105                 110
161 Met Glu Trp Arg Arg Ser Tyr Asp Thr Pro Pro Pro Glu Leu Ala Asp
162         115                 120                 125
165 Asp Ala Glu Tyr Ser Gln Ala Asn Asp Pro Arg Tyr Ala Asp Leu Asp
166     130                 135                 140
169 Val Val Pro Arg Thr Glu Cys Leu Lys Asp Val Val Val Arg Phe Val
170 145                 150                 155                 160
173 Pro Tyr Phe Glu Glu Glu Ile Leu Pro Arg Ala Lys Lys Gly Glu Thr
174                 165                 170                 175
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VERIFICATION SUMMARY
PATENT APPLICATION: US/09/725,178

DATE: 06/06/2001
TIME: 10:50:11

Input Set : A:\es.txt
Output Set: C:\CRF3\06062001\I725178.raw

L:19 M:270 C: Current Application Number differs, Replaced Current Application No
L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date

US 0972517806P1

Creation date: 10-03-2003
Indexing Officer: KNGUYEN6 - KIM NGUYEN
Team: OIPEBackFileIndexing
Dossier: 09725178

Legal Date: 06-21-2001

No.	Doccode	Number of pages
1	C.AD	1

Total number of pages: 1

Remarks:

Order of re-scan issued on .....